

WHAT IS CLAIMED IS:

1. A cosmetic or dermatological preparation or formulation comprising
vitamin F, wherein the vitamin F is present in the form of a complex with a cyclodextrin (CD) selected from the group consisting of alpha-cyclodextrin, beta-cyclodextrin, and gamma-cyclodextrin.
2. The preparation as claimed in claim 1,
wherein vitamin F is an essential fatty acid.
3. The preparation as claimed in claim 2,
wherein the essential fatty acid and cyclodextrin are present in the complex in a ratio selected from the group consisting of
 - 1 mol of alpha-cyclodextrin: 1 mol of an essential fatty acid,
 - 2 mol of alpha-cyclodextrin: 1 mol of an essential fatty acid,
 - 3 mol of alpha-cyclodextrin: 1 mol of an essential fatty acid,
 - 4 mol of alpha-cyclodextrin: 1 mol of an essential fatty acid,

1 mol of beta-cyclodextrin: 1 mol of an essential fatty acid,

2 mol of beta-cyclodextrin: 1 mol of an essential fatty acid,

3 mol of beta-cyclodextrin: 1 mol of an essential fatty acid,

1 mol of gamma-cyclodextrin: 1 mol of an essential fatty acid,

2 mol of gamma-cyclodextrin: 1 mol of an essential fatty acid,

3 mol of gamma-cyclodextrin: 1 mol of an essential fatty acid,

and a mixture of these complexes.

4. A complex of cyclodextrin and an essential fatty acid in a molar ratio selected from the group consisting of 3:1 and 4 : 1.

5. The complex as claimed in claim 4,
wherein the cyclodextrin is alpha-cyclodextrin.

6. A mixture of cyclodextrin and an essential fatty acid comprising a complex as claimed in claim 4.

7. The mixture as claimed in claim 6, which is selected from

the group consisting of

a 4:1 molar complex of alpha CD and essential fatty acid in an amount of from 10% to 90% by weight,

a 3:1 molar complex of alpha CD and essential fatty acid in an amount of from 40% to 80% by weight,

a 2:1 molar complex of alpha CD and essential fatty acid in an amount of from 30% to 70% by weight, and

a 1:1 molar complex of alpha CD and essential fatty acid in an amount of from 20% to 60% by weight; and

the percent by weight of the complex is based upon the total weight of the mixture.

8. The preparation as claimed in claim 1,

which further comprises at least one component selected from the group consisting of linear silicone oils, cyclic silicone oils, humectant agents, substances which care for the skin, gel formers, O/W emulsifiers, W/O emulsifiers, preservatives, bactericides, antioxidants, sunscreen filters, inorganic pigments, self-tanning agents, additives, auxiliaries, consistency-imparting agents, fillers, electrolytes, vitamins,

alcohol, water, salts, stabilizers, dyes, perfumes, essential oils, and mixtures thereof.

9. A process for preparing a preparation as claimed in claim 1, comprising

dispersing a complex of vitamin F and cyclodextrin in water to form a dispersion; and

then mixing the dispersion into lipophilic part of an emulsion.

10. The process as claimed in claim 9,

wherein the dispersion takes place over a period of from 10 minutes to 2 hours at a temperature of from 20° C to 80° C.

11. A sunscreen cream cosmetic formulation as claimed in claim 1 consisting essentially of

2.5% by weight of octyl palmitate;

3.5% by weight of octyl stearate;

2.0% by weight of polyglycerol -2 sesquiisostearate;

3.0% by weight of cyclomethicone or dimethiconol;

2.0% by weight of lauryl dimethicone;

12.0% by weight of octyl dimethicone, ethoxy glycoside or cyclomethicone ;

5.0% by weight of titanium dioxide;
1.0% by weight of polymethylsilsesquioxane;
2.0% by weight of zinc oxide;
2.0% by weight of glycerol;
0.1% by weight of methylparaben;
0.4% by weight of sodium chloride;
59.0% by weight of water;
1.5% by weight of γ -cyclodextrin- α -tocopherol complex; and
4.0% by weight of α -cyclodextrin-linoleic acid complex; and
and wherein each percent by weight is based upon the total
weight of the cosmetic formulation.

12. A W/O body lotion cosmetic formulation as claimed in claim
1 consisting essentially of
3.0% by weight of beeswax;
3.0% by weight of hostacerin;
5.0% by weight of BELSIL® CM 1000;
7.0% by weight of BELSIL® DM 1plus;
4.55% by weight of BELSIL® PDM 20;
12.8% by weight of BELSIL® SPG 128 VP;
2.0% by weight of sodium chloride;
59.4% by weight of water;

4.0% by weight of α -cyclodextrin-linoleic acid complex; and
0.05% by weight of kathon; and
and wherein each percent by weight is based upon the total
weight of the cosmetic formulation.

13. An aftersun lotion cosmetic formulation as claimed in claim
1 consisting essentially of
1.5% by weight of cetyl alcohol;
5.0% by weight of mineral oil;
5.0% by weight of stearic acid;
0.5% by weight of allantoin;
3.0% by weight of propylene glycol;
65.0% by weight of water;
15.0% by weight of cyclomethicone or dimethicone;
2.0% by weight of phenyltrimethicone;
2.0% by weight of α -cyclodextrin-linoleic acid complex;
0.4% by weight of γ -cyclodextrin-retinol complex;
0.3% by weight of phenoxyethanol, methylparaben,
butylparaben, ethylparaben, or propylparaben; and
0.3% by weight of perfume; and
wherein each percent by weight is based upon the total
weight of the cosmetic formulation.

14. An O/W body lotion cosmetic formulation as claimed in claim 1 consisting essentially of

- 0.1% by weight of carbopol;
- 80.0% by weight of water;
- 3.0% by weight of glycerol;
- 4.4% by weight of α -cyclodextrin-linoleic acid complex;
- 0.9% by weight of triethanolamine;
- 0.8% by weight of stearic acid;
- 3.0% by weight of isopropyl myristate;
- 2.0% by weight of nexbase;
- 1.5% by weight of arlacel 165;
- 1.0% by weight of cetyl alcohol;
- 3.0% by weight of BELSIL®; and
- 0.3% by weight of BHT; and

wherein each percent by weight is based upon the total weight of the cosmetic formulation.

15. An O/W face cream cosmetic formulation as claimed in claim 1 consisting essentially of

- 3% by weight of stearyl glucoside;
- 2% by weight of glyceryl stearate;
- 1% by weight of stearyl alcohol;
- 10% by weight of decyl cocoate;

9% by weight of cetearyl ethylhexanoate;
3% by weight of glycerol;
62% by weight of water;
9% by weight of α -cyclodextrin-linoleic acid complex; and
1% by weight of γ -cyclodextrin-retinol complex; and
wherein each percent by weight is based upon the total
weight of the cosmetic formulation.

16. An O/W moisturizing cream cosmetic formulation as claimed
in claim 1 consisting essentially of
3.0% by weight of stearyl glucoside;
2.1% by weight of glyceryl stearate;
0.9% by weight of stearyl alcohol;
10.0% by weight of ethylhexyl stearate;
10.0% by weight of caprylic/capric triglyceride;
3.7% by weight of avocado oil;
3.0% by weight of glycerol;
59.0% by weight of water;
6% by weight of α -cyclodextrin-linoleic acid complex;
2.0% by weight of sodium lactate, urea or lactic acid; and
0.3% by weight of tocopheryl acetate; and
wherein each percent by weight is based upon the total
weight of the cosmetic formulation.

17. A liquid make-up cosmetic formulation as claimed in claim 1 consisting essentially of

- 2.70% by weight of white beeswax;
- 2.40% by weight of polyglyceryl -2 sesquiosostearate ;
- 12.50% by weight of dimethicone;
- 11.00% by weight of octyl dimethicone, ethoxy glucoside or cyclomethicone;
- 1.5% by weight of trimethyl siloxysilicate;
- 1.45% by weight of iron oxide;
- 5.00% by weight of talc;
- 7.00% by weight of titanium dioxide;
- 2.00% by weight of sodium chloride;
- 50.00% by weight of water;
- 1.70% by weight of γ - cyclodextrin- α -tocopherol complex;
- 2.40% by weight of α -cyclodextrin-linoleic acid complex;
- 0.05% by weight of methylchloroisothiazolinone; and
- 0.30% by weight of perfume; and

wherein each percent by weight is based upon the total weight of the cosmetic formulation.

18. A body emulsion cosmetic formulation as claimed in claim 1 consisting essentially of

- 1.4% by weight of glyceryl monomyristate;
- 1.2% by weight of stearic acid;
- 0.5% by weight of cetyl alcohol;

5.0% by weight of isopropyl palmitate;
87.5% by weight of distilled water;
1.0% by weight of methylparaben; and
3.4% by weight of α -cyclodextrin-linoleic acid complex; and
wherein each percent by weight is based upon the total
weight of the cosmetic formulation.